

0.5 Watt 50 Ohm BNC Male to 75 Ohm BNC Female
Matching Pad Operating from DC to 3 GHz



LCMP1100

Matching Pads Technical Data Sheet

Features

- DC to 3 GHz Frequency Range
- Low VSWR < 1.25:1
- 0.5 W Max Power (CW)

Applications

- CATV / Cable Networks
- Test and Measurement
- Communication Systems
- Wireless Systems

Description

L-com's LCMP1100 is a 50 ohm BNC male to 75 ohm BNC female matching pad that operates from DC to 3 GHz. This BNC to BNC impedance matching pad offers a low VSWR of 1.25:1 max and attenuation of 7.5 dB max. LCMP1100 50 ohm to 75 ohm minimum loss pad has a maximum CW power rating of 0.5 Watt. Matching pads are used to match the different impedance between two devices, maximizing power transfer between the two impedances. L-com's minimum loss impedance matching pads are available in various connector combinations to fit your needs, all of which ship the same day.

Configuration

Connector 1	50 Ohms BNC Male
Connector 2	75 Ohms BNC Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR		1.15:1	1.25:1	
Attenuation		4	7.5	dB
Input Power (CW)			0.5	Watts

Mechanical Specifications

Size

Length	2.09 in [53.09 mm]
Width	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.04 lbs [18.14 g]

Housing Material and Plating	Brass, Tri-Metal
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Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Female
Impedance	50 Ohms	75 Ohms
Inner Conductor Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Body Material and Plating	Brass, Tri-metal	Brass, Tri-metal

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[0.5 Watt 50 Ohm BNC Male to 75 Ohm BNC Female Matching Pad Operating from DC to 3 GHz LCMP1100](#)

0.5 Watt 50 Ohm BNC Male to 75 Ohm BNC Female
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LCMP1100

Environmental Specifications

Compliance Certifications (see [product page](#) for current document)

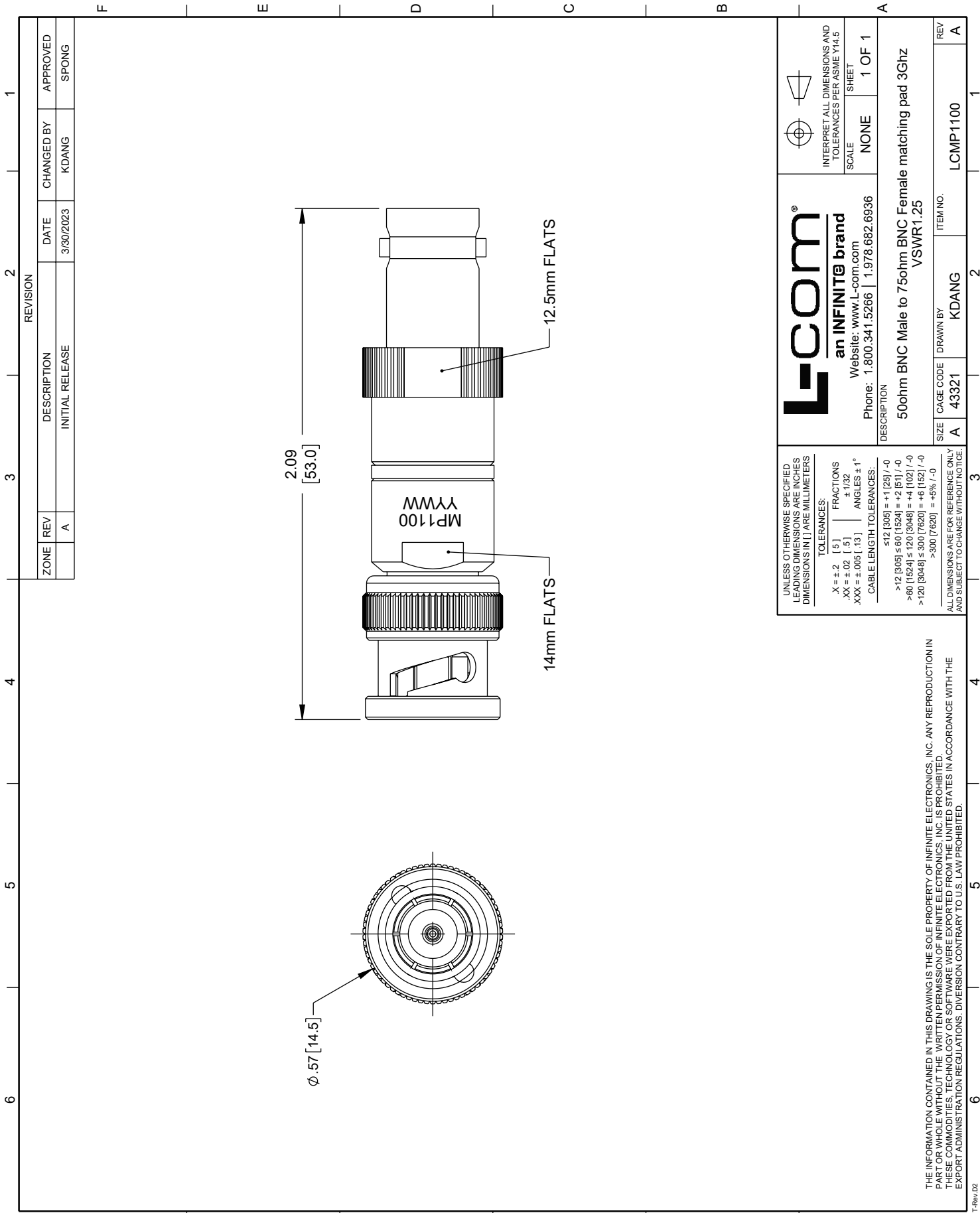
Plotted and Other Data

Notes:

Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

LCMP1100 CAD Drawing
0.5 Watt 50 Ohm BNC Male to 75 Ohm BNC Female
Matching Pad Operating from DC to 3 GHz



REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	3/30/2023
		CHANGED BY	APPROVED
		KDANG	SPONG

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE ALL METERS				INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
TOLERANCES		SHEET		
X = +.2 [.5]		1 OF 1		
XX = +.02 [.5]		SCALE		
XXX = +.005 [.13]		NONE		
ANGLES ± °		SHEET		
CABLE LENGTH TOLERANCES:		1 OF 1		
±12 [305] = ±.125 [-]		DESCRIPTION		
>12 [305] ≤ 60 [1524] = +.2 [51] / -0		50ohm BNC Male to 75ohm BNC Female matching pad 3Ghz		
>60 [1524] ≤ 120 [3048] = +.4 [102] / -0		VSWR1.25		
>120 [3048] ≤ 300 [7620] = +.6 [152] / -0				
>300 [7620] = +.5% [-]				
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.		SIZE	CAGE CODE	DRAWN BY
		A	43321	KDANG
		ITEM NO.	LCMP1100	
		REV	A	

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2	[.5]	FRACTIONS
.XX = ±.02	[.5]	± 1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤ 12 [305]	= +1 [25] / -0
> 12 [305]	≤ 60 [1524] = +2 [51] / -0
> 60 [1524]	≤ 120 [3048] = +4 [102] / -0
> 120 [3048]	≤ 300 [7620] = +6 [152] / -0
> 300 [7620]	= +5% / -0

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